

The Global Distribution of Depositional Rivers on Early Mars.

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Supplemental Material

Table S1.

Inventory of CTX-scale fluvial ridge systems mapped in this study (Fig. 3a). Ridges that intersected each other or were otherwise in contact with each other as part of a broader unit were classified as one system in this catalog (see Methods section).

<i>ID</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Previously Mapped</i>	<i>References</i>
1	-5.253	-179.940	No	N/A
2	-7.738	-151.473	No	N/A
3	43.682	-127.572	No	N/A
4	-76.557	-117.016	Yes	Dorsa Argentea Formation references (See below)
5	-76.612	-108.491	Yes	Dorsa Argentea Formation references (See below)
6	-75.072	-106.835	Yes	Dorsa Argentea Formation references (See below)
7	-76.331	-105.060	Yes	Dorsa Argentea Formation references (See below)
8	-73.426	-104.467	Yes	Dorsa Argentea Formation references (See below)
9	-72.799	-101.779	Yes	Dorsa Argentea Formation references (See below)
10	-43.524	-67.763	No	N/A
11	-55.146	-67.011	No	N/A
12	-41.738	-60.865	No	N/A
13	50.768	-54.035	No	N/A
14	-74.150	-53.104	Yes	Dorsa Argentea Formation references (See below)
15	-8.186	-52.688	Yes	(Williams and Edgett, 2005) (Williams, 2007) (Weitz et al., 2008)
16	-76.375	-51.814	Yes	Dorsa Argentea Formation references (See below)
17	-9.452	-51.518	No	N/A
18	-76.386	-50.425	Yes	Dorsa Argentea Formation references (See below)
19	-74.126	-50.063	Yes	Dorsa Argentea Formation references (See below)
20	-73.880	-49.290	Yes	Dorsa Argentea Formation references (See below)
21	-75.309	-46.780	Yes	Dorsa Argentea Formation references (See below)
22	-55.436	-45.677	Yes	(Williams, 2007) (Banks et al., 2009)
23	11.667	-45.090	Yes	(Williams, 2007) (Fawdon et al., 2018)
24	-73.624	-44.770	Yes	Dorsa Argentea Formation references (See below)
25	-75.728	-44.443	Yes	Dorsa Argentea Formation references (See below)
26	-53.727	-43.548	Yes	(Williams, 2007) (Banks et al., 2009)
27	-74.616	-42.995	Yes	Dorsa Argentea Formation references (See below)
28	-76.590	-42.295	Yes	Dorsa Argentea Formation references (See below) (Williams, 2007)
29	-72.858	-41.569	Yes	Dorsa Argentea Formation references (See below)
30	-76.465	-39.777	Yes	(Williams, 2007) (Banks et al., 2009)
31	-54.491	-38.712	Yes	(Williams, 2007) (Banks et al., 2009)
32	-77.446	-34.229	Yes	Dorsa Argentea Formation references (See below)
33	-23.721	-33.320	Yes	(Rice et al., 2013)

34	-23.719	-33.291	Yes	(Rice et al., 2013)
35	-23.899	-33.047	Yes	(Rice et al., 2013)
36	-53.733	-17.356	No	N/A
37	19.901	-17.012	Yes	(Williams, 2007)
38	10.828	-8.469	No	(Davis et al., 2016) (Chuang and Williams, 2018)
39	-46.185	-7.564	No	N/A
40	5.481	-7.441	Yes	(Williams, 2007) (Davis et al., 2019)
41	-1.837	2.873	Yes	(Williams, 2007)
42	-35.795	4.474	No	N/A
43	17.239	7.791	Yes	(Williams, 2007)
44	16.087	15.327	No	(Davis et al., 2016)
45	-11.413	20.205	No	N/A
46	7.583	25.993	Yes	(Davis et al., 2016)
47	18.137	30.367	No	(Davis et al., 2016) (Davis et al., 2019)
48	31.800	46.210	Yes	(Malin and Edgett, 2003) (Williams and Edgett, 2005) (Williams, 2007)
49	10.851	46.843	Yes	(Malin and Edgett, 2003) (Williams, 2007)
50	-48.824	49.312	No	N/A
51	16.129	49.659	Yes	(Fassett and Head, 2007) (Davis et al., 2019)
52	16.241	49.790	Yes	(Fassett and Head, 2007) (Davis et al., 2019)
53	26.151	51.493	Yes	(Davis et al., 2019)
54	-18.805	66.734	No	(Hynek et al., 2010)
55	18.620	76.798	No	N/A
56	6.769	105.778	No	N/A
57	10.574	110.349	No	N/A
58	-61.308	121.860	No	N/A
59	-6.183	149.108	Yes	Medusa Fossae Formation references (See below)
60	-2.679	149.637	Yes	Medusa Fossae Formation references (See below)
61	-4.311	150.284	Yes	Medusa Fossae Formation references (See below)
62	-4.948	150.910	Yes	Medusa Fossae Formation references (See below)
63	-2.486	151.175	Yes	Medusa Fossae Formation references (See below)
64	-6.269	151.256	Yes	Medusa Fossae Formation references (See below)
65	-3.273	152.130	Yes	Medusa Fossae Formation references (See below)
66	-2.982	152.262	Yes	Medusa Fossae Formation references (See below)
67	-4.926	155.072	Yes	Medusa Fossae Formation references (See below)
68	-10.942	160.214	No	N/A

Dorsa Argentea Formation references: (Howard, 1981); (Kargel and Strom, 1992); (Tanaka and Kolb, 2001); (Head and Pratt, 2001); (Kress and Head, 2015); (Butcher et al., 2016); (Scanlon et al., 2014).

Medusa Fossae Formation references: (Malin and Edgett, 2003); (Burr et al., 2006); (Burr et al., 2009); (Burr et al., 2010); (Lefort et al., 2012); (DiBiase et al., 2013); (Williams et al., 2013); (Kite et al., 2015); (Cardenas et al., 2018); (Di Pietro et al., 2018).

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